



NATIONAL  
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USDA, NASS, Kentucky Field Office  
PO Box 1120  
Louisville, Kentucky 40201-1120  
(502) 582-5293 or 1-800-928-5277

# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr. Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

LELAND E. BROWN, Director

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**AGRICULTURAL NEWS:** The Commonwealth endured another week of above average temperatures and high humidity continued to impact crops and livestock again this week. Many fields continued to be stressed. Most crop conditions declined, even though most areas received some precipitation. **Topsoil moisture** was rated 12 percent very short, 35 percent short, 49 percent adequate and 4 percent surplus. **Subsoil moisture** was rated 5 very short, 31 percent short, 61 percent adequate and 3 percent surplus. There were 6.0 days out of a possible 7 that were suitable for fieldwork. Main farm activities for the week included mowing pastures, spraying field crops, and topping tobacco.

**ROW CROPS:** **Corn** crop condition was rated as 1 percent very poor, 4 percent poor, 26 percent fair, 49 percent good, and 20 percent excellent. Percent of corn silked was at 82 percent complete as of Sunday August 7. Last year it was 93 percent and the five year average was 95 percent. Corn milked was at 57 percent, well behind 81 percent for 2010 and the average of 74 percent. Percent of corn that has reached the dough stage was 35 percent, compared to 57 percent the previous year and 49 percent for the average. Fifteen percent had dented, behind the 38 percent of a year ago and the 26 percent average. Soybean condition was rated 1 percent very poor, 6 percent poor, 31 percent fair, 51 percent good, and 11 percent excellent. Percent of **soybeans** blooming was at 71 percent, compared to 86 percent the previous year and 78 percent on average. Soybeans setting pods was at 42 percent, also behind last year at 61 percent and 50 percent for the average. Some fields have reportedly aborted blooms due to the heat.

**TOBACCO:** Burley tobacco has bloomed on 61 percent of the crop, compared to 75 percent a year ago and the five year average of 68 percent. Percent of Burley tobacco topped was at 32 percent, compared to 52 percent last year and 47 percent for the average. Dark tobacco bloomed was at 87

percent, comparable to 88 percent last year, but ahead of the average of 74 percent. Sixty-five percent of the dark tobacco was topped, compared to 71 percent the previous year and 70 percent for the five year average. Set tobacco condition varied little over the week and was rated at 1 percent very poor, 7 percent poor, 28 percent fair, 47 percent good, and 17 percent excellent.

**OTHER CROPS AND PASTURE:** **Pasture** condition was reported as 3 percent very poor, 11 percent poor, 34 percent fair, 44 percent good, and 8 percent excellent. Hay crop condition was rated at 1 percent very poor, 6 percent poor, 34 percent fair, 49 percent good, and 10 percent excellent.

## CROP PROGRESS for week ending 08/07/11

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	82	74	93	95
Corn Milked	57	44	81	74
Corn Dough	35	25	57	49
Corn Dent	15	6	38	26
Soybeans Blooming	71	60	86	78
Soybeans Setting Pods	42	25	61	50
Burley Tobacco Blooming	61	45	75	68
Burley Tobacco Topped	32	18	52	47
Dark Tobacco Blooming	87	78	88	74
Dark Tobacco Topped	65	50	71	70

## SOIL MOISTURE for week ending 08/07/11

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	12	35	49	4
Subsoil	5	31	61	3

## CROP CONDITIONS for week ending 08/07/11

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	1	4	26	49	20
Soybeans	1	6	31	51	11
Pasture	3	11	34	44	8
Hay Crops	1	6	34	49	10
Tobacco Set	1	7	28	47	17

## KENTUCKY WEATHER SUMMARY, AUGUST 1 - 7, 2011:

Above Normal Temperatures and Below Normal Rainfall:

Another hot week as rain from isolated thunderstorms was sparse during the workweek. The far west and Bluegrass areas were the big winners on rainfall over the weekend. This was especially beneficial for many of the western counties where agricultural drought had started to develop. Very dry conditions continued in many sections of the west, along the KY/TN border and some northern counties along the Ohio River. It was the 5th week in a row with above normal temperatures. By mid-week, several locations reported daily temperatures of 100 degrees or greater and heat indices of 115 and greater.

Temperatures for the first week of August averaged 80 degrees across the state which was 4 degrees warmer than normal and no change to the previous period. High temperatures averaged from 92 in the West to 88 in the East. Departure from normal high temperatures ranged from 3 degrees warmer than normal in the West to 2 degrees warmer than normal in the East. Low temperatures averaged from 73 degrees in the West to 69 degrees in the East. Departure from normal low temperature ranged from 7 degrees warmer than normal in the West to 6 degrees warmer than normal in the East. The extreme high temperature for the period was 104 degrees at Poplar Bluff and the extreme low was 60 degrees at Monticello.

Rainfall for the period totaled 0.85 inches statewide which was 0.10 inches below normal and 90% of normal. Rainfall totals by climate division, West 1.16 inches, Central 0.48 inches, Bluegrass 1.16 inches and East 0.61 inches, which was 0.25, -0.44, 0.23 and -0.42 inches respectively from normal. By station, rainfall totals ranged from a low of 0.06 inches at Burkesville to a high of 2.53 inches at Lexington.

Tom Priddy

### KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, AUGUST 7, 7:00 P.M.

Weather Station	Rainfall			Dev. From		Air Temperature				Growing Degree Days		
	Since Last Week	Last April 1	Four Wks.	Norm Since Apr 1	Norm Last 4 Wks.	Hi	Lo	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr 1	Dev. Since Apr 1
(Inches)			(Degrees F)									
Bardstown	0.16	35.01	4.37	+17.11	+0.10	92	65	79.4	+4	189	2594	+264
Berea	1.01	24.07	2.66	+5.73	-1.24	92	62	77.4	+3	182	2450	+51
Bowling Gree	0.24	27.45	0.96	+8.49	-3.04	103	67	83.7	+8	205	2830	+401
Bristol	0.34	18.02	3.92	+2.24	+0.28	96	68	82.7	+8	206	2681	+473
Buckhorn Lak	0.30	29.22	4.67	+11.55	+0.57	88	64	77.1	+2	187	2395	+292
Cape Girarde	0.71	36.00	2.06	+18.58	-1.13	103	67	84.4	+7	210	2784	+225
Campbellsvil	0.74	25.94	2.35	+5.45	-2.32	94	66	79.3	+4	189	2537	+168
Covington	2.41	33.94	3.40	+17.07	-0.23	94	67	80.3	+5	196	2472	+293
Cumberland G	0.13	23.43	2.79	+4.03	-1.76	91	64	79.7	+5	194	2578	+400
Dix Dam	1.53	28.27	6.29	+9.80	+2.05	92	66	79.5	+5	193	2540	+203
Evansville	0.33	33.21	2.74	+16.21	-0.70	96	68	82.7	+5	206	2722	+292
Glasgow	0.10	28.72	6.47	+8.29	+1.96	96	67	80.8	+5	202	2681	+342
Grayson	0.72	31.92	7.30	+14.48	+3.16	90	64	77.6	+3	187	2401	+352
Hardinsburg	0.97	36.50	2.75	+17.91	-1.33	92	67	79.1	+4	191	2593	+164
Henderson	0.88	31.19	1.70	+13.78	-1.79	94	65	80.0	+3	193	2675	+215
Huntington	1.48	27.77	5.65	+10.39	+1.42	96	68	82.7	+8	206	2653	+444
Jackson	1.03	29.43	5.19	+10.87	+0.73	89	67	78.4	+4	192	2529	+426
Lexington	2.53	29.46	4.76	+11.53	+0.46	92	66	79.0	+4	192	2491	+282
London	0.66	26.45	3.40	+9.14	-0.57	93	64	79.1	+4	192	2526	+348
Louisville	1.36	32.63	3.23	+15.01	-0.62	96	71	83.6	+8	209	2871	+434
Mayfield	1.89	29.99	2.99	+11.21	-0.92	98	64	80.9	+4	198	2758	+268
Nashville	0.62	21.00	2.19	+3.43	-1.28	96	68	82.7	+7	206	2773	+177
Nolin Lake	1.10	34.38	3.14	+14.55	-1.13	94	64	78.8	+3	188	2578	+339
Paducah	1.22	36.68	4.57	+17.74	+0.98	99	68	83.0	+6	208	2819	+291
Princeton	1.07	32.02	3.51	+13.21	-0.30	98	65	81.7	+4	200	2724	+227
Quicksand	1.32	28.11	5.73	+9.55	+1.27	91	67	79.4	+5	193	2516	+413
Somerset	0.18	23.36	1.12	+3.92	-3.08	92	63	78.7	+4	185	2469	+200
Spindletop	1.86	29.84	4.95	+11.94	+0.68	92	67	79.6	+5	195	2489	+280
Williamstown	1.88	29.89	3.55	+12.19	-0.36	93	67	78.6	+4	190	2422	+213

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>